



Water Advisory

Volume 15 Issue 1

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2012 Consumer Confidence Edition

4/1/2013

From the Manager's Desk.....

We are still installing our new AMR meters. We hope to have about 50% of them in after this spring quarter. These new meters will give us a lot of flexibility with our monthly readings. I still want everyone to know that we have to be careful with this equipment as it is very expensive. Again, if we find customer negligence, we will bill the customer for our loss of equipment.

We are trying to get our water loss under control. We have made great strides to this point. With 600 miles of line to maintain, sometimes we miss smaller leaks. We ask that customers seeing water in places it shouldn't be to call us. We will come out and check samples of the water to see if it is a possible leak.

We also would like our customers to help us out in another manner. If you see someone that is not an employee of the water district tampering with any of our equipment in the system such as flush hydrants, valves, meters, or tank sites, we ask that you call us immediately. If you see anything that looks suspicious to you, please call. We will come out and investigate. All of this will help us cut down on water loss and maintenance, thus resulting in cost savings that we can pass on to you, our valued customer. →

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WATER: Our most precious natural resource!



Unity Road Upgrade Completed!

Sunshine Ridge Road Project

We finally have the funding approved for the Sunshine Ridge Road project. This project consists of approximately 14 miles of water lines, a booster station, and a storage tank to bring to the residents of Sunshine Ridge and adjoining roads a much needed supply of potable water.

We anticipate the project will be well underway by the first part of May 2013 with a completion by the end of September 2013. This project has been a long time in coming, but it has now become a reality.

Northeast Quadrant

We are currently seeking funding for a bundle project for the northeast quadrant of our district which will include Poplar Grove Road/Bettys Creek area as well as the Peach Mountain area. We have several smaller areas within the system that are without water service. It is always our desire to serve those areas. If you are interested in obtaining water in your area, please let us know as we are keeping a list of potential projects.



Credit Card Survey

We have had several people inquire about use of credit and debit cards or accepting electronic payment. Putting this in place is a very expensive undertaking to set up. What we are considering would give our customers the option to view your account online. You would have the opportunity to pay your bill many different ways.

We are currently running a survey to find out how many would be interested in using this option. If you go to our home page at: www.acrwd.com, you will find the survey. We ask you to submit us an email address. Once we complete the survey, we can use the email address to let you know how the survey ended and when the option would be available should we have enough people interested. Rest assured that ACRWD will not and does not sell your email address for any purpose.

Happy Retirement!

ACRWD would like to wish two more employees a happy retirement. This past year we saw two long-term employees retire. We wish Larry Bennington and Dave Henderson a long and happy retirement. Both of these gentlemen were excellent employees and always had the District's best interests at heart when making decisions. Their attitude and work ethic will be sorely missed.

Rick Adamson, General Manager

Water Loss in Gal at 60 psi

Leak Size	Loss Per Day	Loss Per Month (31 Days)
• 1/16	360	11,160
● 1/8	3,096	96,976
● 3/16	8,424	95,976
● 1/4	12,720	394,320

GIS System.....

We are currently working on GIS mapping (Geographical Information System) for the water district. We will have all water meters, hydrants, valves, and lines mapped when we get this completed. We hope to eventually incorporate this in the county mapping system so contractors and county officials will be able to determine if water lines are in certain areas. It will also help us in training new employees as everything will be right there at their fingertips. We will be able to use this for planning for the future or to see when problem lines that leak more than normal will need replaced. You will be seeing employees out in the field pulling points to put in this system as it is all done by GPS satellites.

Where Does My Water Come From?

ACRWD receives its water from eight wells that are drilled into the Ohio River Aquifer. These wells are approximately 75 feet deep. Ohio EPA considers this source to be ground water. The well field is situated on the south side of US 52 and just west of the Wrightsville area. From these wells ACRWD pumped 699,750,000 gallons of water in 2012. This is an average of 66.2 gallons per day per person served.

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About Your Drinking Water:

The EPA requires regular sampling to ensure drinking water safety. The Adams County Regional Water District conducted sampling for bacteria, nitrate, nitrite, TTHM & HAA5 contaminants during 2012; synthetic organic chemicals in 2011; MCL in-organics, radiological, volatile organic, and lead and copper in 2011. Samples were collected for a total of 185 different regulated contaminants in 2008 -2012. We also tested for 20 different unregulated contaminants during the same years. Most of these contaminants were not detected in the Adams County Regional Water District's water supply. The Ohio EPA requires us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though accurate, is more than one year old.

Improvements.....

In 2012, we completed a line upgrade on Unity Road. This will allow the customers in Unity Road area to have a more abundant supply of water. We installed small extensions on Graces Run Road, Seaman Road, and Ellis Run Road. We refurbished 6 well pump units to be used to replace current pumps for maintenance purposes. We installed a new pumping unit in Well # 1. We also have installed stainless steel drop piping in all of our wells. We installed more AMR meters in 2012. We started building a Geographical Information System and purchased the equipment needed to build the system. We purchased a new mini excavator, straw blower, pipe saw and several small tools to aid in maintenance of the distribution system. We upgraded our telemetry system and narrow-banded our communication radio system.

In 2013, we have another phase of the telemetry system to install at the water treatment Plant. This will improve our ability to monitor and control our distribution system. We may install some small customer funded line extensions. We plan to install more AMR meters. We plan to work more on the GIS system. We also plan to upgrade our camera systems at the office complex and plant facility as well as both security systems. We should see the Sunshine Ridge Road project installed and put into service this year. We will purchase some equipment storage sheds for the office complex as well as the plant complex. We anticipate buying a tractor and rotary cutter to keep our property around the plant and well field maintained.



How Do I Participate in Decisions Concerning My Drinking Water?

Public participation and comments are encouraged at regular meetings of the **Board of Trustees**, which meets the second Thursday of each month @ 7:30 pm. Meetings are held at the main office located at 9203 SR 136, West Union, Ohio. For more information call the business office @ 800-288-0039 or 544-2396 between the hours of 8:00 am and 4:30 pm, Monday through Friday.

Who Needs To Take Special Precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infection. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline. Please call (1-800-426-4791).

Definitions Of Some Terms Contained Within This Report

Maximum Contaminant Level Goal (MCLG):

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLG's allow for a margin of safety.

Maximum Contaminant Level (MCL)

The highest level of contaminant that is allowed in drinking water. MCL's are set as close to MCLG's as feasible using the best available treatment technology.

Parts Per Million (ppm) or Milligrams Per Liter (mg/L) are units of measure for concentration of a contaminant. A part per million corresponds to one second in a little over 11.5 days.

Parts Per Billion (ppb) or Micrograms Per Liter (ug/L) are units of measure for a concentration of a contaminant. A part per billion corresponds to one second in 31.7 years.

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

The symbol < as used in this report stands for less than.

BDL: Below Detection Level

For More Information about your drinking water contact Chris Hanson or Jeanie Howard at (937) 549-2339 or (800) 252-3454. You can also contact us via e-mail at: acwtp98@frontier.com

Water Treatment Plant (24/7)
937-549-2339 or 800-252-3454
Business Office (M-F- 8:00-4:30)
937-544-2396 or 800-288-0039

Contaminants: Listed below is information on those contaminants which were tested in the ACRWD's water.

Contaminants (Units)	MCGL	MCL	Level Found	Range of Detections	Sample Year	Violation	Typical Source of Contaminants
Inorganic Contaminants							
Nitrate (mg/L)	10	10	.296	n/a	2012	No	Run Off From Fertilizer Use & Erosion of Natural Deposits
Fluoride (mg/L)	4	4	1.00	.81- 1.00	2012	No	Added To Water As An Aid To Dental Hygiene
Chlorine (mg/L)	4	4	1.46	.28-1.46	2012	No	Water Additive to Control Microbes
Nitrite (mg/L)	n/a	1	.296	n/a	2012	No	Run Off From Fertilizer Use & Erosion of Natural Deposits
Lead (ug/L)	n/a	AL= 15	3.01	BDL- 3.66	2011	No	Corrosion of Household Plumbing Systems
Copper (ug/L)	n/a	AL= 1300	982	7.34- 982.0	2011	No	Corrosion of Household Plumbing Systems
Barium (mg/L)	n/a	2	.021	n/a	2008	No	Drilling Waste, Metal Refineries, and Erosion of Natural Deposits

In 2011 there were 30 lead and copper samples taken in ACRWD's distribution system. Of those 30 samples, no samples were found to be above the action levels.

Volatile Organic Chemicals							
TTHM's (ug/L)	0	80ug/L	26.75ug/L	n/a	2012	No	By Product of Drinking Water Chlorination
HAA5 (ug/L)	60	60ug/L	2.78ug/L	n/a	2012	No	By Product of Drinking Water Chlorination

"We have a current, unconditioned license to operate our water system."

Violations: ACRWD did not have any violations in 2012.

Below is a list of contaminants tested for but were not found or were below detection level in ACRWD's water.

Microbiological							
In 2012, ACRWD tested 240 system samples, which the Ohio EPA requires, for coliform bacteria and E-coli. We also tested 35 special samples which consist of boil advisories and/or new line construction, and 307 for local villages in the county. This was a total of 582 samples in which all samples tested negative for the above specified bacteria.					2012	No	Naturally Present in The Environment
Inorganic Contaminants							

WHAT ARE THE SOURCES OF CONTAMINATION TO YOUR DRINKING WATER?

The sources of drinking water, both tap and bottled water, include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity.

Contaminants that may be present in source water include: (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage water treatment plants, septic systems, agricultural livestock operations, and wildlife; (B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; (D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; (E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Adams County Regional Water District
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Lead...what you need to know.....

“If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Adams County Regional Water District is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at <http://www.epa.gov/safewater/lead>.”

Source Water Area Protection (SWAP)

In 2003, Ohio EPA completed a study of Adams County Regional Water’s source of drinking water to identify potential contaminant sources and provide guidance on protecting the drinking water source. According to this study, the aquifer (water rich zone) that supplies water to Adams County Regional Water has a high susceptibility to contamination. This determination is based on the following:

- Lack of a protective layer of clay overlying the aquifer.
- Shallow depth of the aquifer.
- Presence of significant potential contaminant sources in the area

This susceptibility means that under current existing conditions, the likelihood of the aquifer becoming contaminated is relatively high. This likelihood can be minimized by implementing appropriate protective measures.

Some measures that can be utilized are as follows:

- Check your septic system and make sure it is always working properly
- Dispose of all oil and petroleum products the proper way.
- Avoid creating junk piles open to the rain, as runoff and infiltration from these piles can contaminate source water.
- Maintain vehicles so leaks will not contaminate the source water.
- Report to the Water District anything that looks questionable.



ACRWD has acquired the property adjacent to the plant and well field. This property contains approximately 130 acres and will help to keep contamination from future septic systems and other contaminants away from the well field. It is our job to assure that clean drinking water will be available for many generations to come. We feel that this acquisition will help this assurance be a reality as well as give us plenty of room for growth when that need arises.

ACRWD has also completed a source water protection plan that has been endorsed by Ohio EPA. You can read more about source water area protection (SWAP) on our website at www.acrwd.com/id54.html. You may also pick up a brochure at the business office and at all Adams County Public Library Branches.

For more information about SWAP contact Rick Adamson at 937-544-2396 or e-mail: rickadamson@acrwd.com

Thank You..... For allowing Adams County Regional Water District to provide you with a safe, reliable source of potable water. We are dedicated to having licensed professionals operate our system to ensure our customers the best water quality possible. We are also dedicated to the furtherance of education for these professionals. With additional upgrades to our entire system, we expect that water quality will continue to improve and make our customers proud of their water system. *“Adams County Regional Water District is an Equal Opportunity Provider and Employer.”*